Previous references.
med 24-138-85
San 140-14 & 1040, 11
" 140-14 & 1-40-Dec 15
San 64-16 Sl 1B Dec 16

Later references.
40-C) Sl 1, 2, 3, 4, 5 46.
3. Secl)
38-18 Sl 1-2

1917.
San

File No. 94-16

Serial Nos. 1, 2, 4, 5 x

Mr. Lt. Summers

my 75-18(1-3)

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1, 2, 4, 5, 6

Part B for Aug 17.

SUBJECT.

Proposals of the Central Committee to take up the Secondary malarial survey of Rajpur Talik

---

No 990-96 D/ 14 8.17 To the Secy to Govt Sind

Sanctioned

16

R. S. 11]

1916-17

GENERAL AND REVENUE SECRETARIAT.

(Sanitary)

NOTES.

File No. 74-C6

FILE HEADING.

Malarial Survey of Kagan Tanks

From

The Secretary, Central Committee, Mr. I. Shivan

No. C 494 Dated 19-2-17 Received 22-2-17

Diary No. 2587	Enclos. 2 Spare Copies.	Serial No. 1

BRIEF ABSTRACT OF LETTER.

Requests sanction to the proposal of the Central Committee to take up the scientific malarial Survey of Kagan Tanks.

NOTES AND ORDERS.

L III

Dr Seshagiri Rao in his D.O dated 10th June 15, has reported that malarial survey of Kagan tanks could be completed within 6 months. The cost of the survey is estimated to be Rs 4100/- The lines on which the survey is to be conducted a

NOTES—First Sheet.

General and Revenue Secretariat. | San File No. 94 of 1916-17 | 2

Serial No.

given in detail in his letter No. 4886 dated the 18th April 1915

2 The Inland Improvement Committee have been asked to undertake "disease" instead of "malarial survey" (vide last para. of No. 3354-8 dated the 9th November 1915) San 122-14

3 Submitted for orders with reference to paragraphs 5, 6 and 10 of the notes in San. file 88 of 1916 linked herein. 26.2.17

22. 1.3.17

4 S. Com. for remarks 28/2 2/3 2/3 over 3/3 2/3-17

5 Perused 2.3.17 3/3 3/3

2 To the Sanitary Commissioner, No. 08) 79/10.3.17

3 Forwards for remarks. Copy of letter referred to in serial No. 1

4 3 From the Sanitary Commissioner, No. C 4085, 9.3.17 Stating that malarial survey may be undertaken instead of disease sur-

NOTE—Contn. sheet.

Serial No.

especially selected localities and that necessary arrangements may be made to start the malarial survey in the Nagar Taluk from 1st November 17 & submitted for orders with reference to paragraph 4 of the note.

2.4.17 KP 8/4 Extraordinary member KP 574-17

10 The disease survey ordered in Government Order dated 9th November 1915 was with a view to ascertain what diseases were most prevalent in - what areas and was thus preliminary to any other survey being undertaken. The report for the half year ending December 1916 submitted by the Revenue Officer, Kadur and Hassan Districts, goes to show that this survey has not had a fair trial given to it. It is evident that a malarial survey undertaken in a place where malarial fever does not prevail to any large extent is of no use. However, as the Committee seem anxious to have a malarial survey of the Nagar Taluk taken up, an extract - from the Sanitary Commissioner's letter relating to the staff required, the cost thereof and other details may be sent to the Shimoga District Committee and they may be asked to suggest ways and means for meeting the cost.

15.4.17.

NOTE—Contn. sheet.

GPB—65,000—17-6-12.

KP 1614-17

General and Revenue Secretariat. | File No. 94 of 1916-17

Serial No.

11 Draft submitted
17.4.17 W. W. 12 Done 189 20/4-17

4. 13 Do the Secy. m. d. c Shimoga Dist.
No. 690 g dy 30-4-17
With reference to I forwards an extract of the Letter from the Secy Comm. (vide 13) and requests that the Dist. Committee may be asked to suggest ways & means for meeting the cost

5 14 From the Secretary, M. D. Committee, Shimoga
No. C 494 dated 9.6.17
States that the Committee have resolved that the cost of the Malarial Survey in the Hagga Taluk may be met from the sum of Rs 2000/- each, provided under "Distant Survey or Malarial Survey" & the "District Laboratory" in the programme of the Committee during the year 1917-18.
15 The proposal has to be sanctioned after orders are passed in the matter of the Continuance of the Malnad Improvement scheme
Submitted for orders
13.6.17 W. W. 16 This file may be laid over upon receipt of orders on the M. D. Scheme

NOTE—Contn. sheet.

WD 1233—GPB—60,000—1-12-16—S.

G. R. S. 111-2]

General and Revenue Secretariat. | Sec. File No. 94 of 1916-17

Serial No.

file

MK 16/6.

17 Submitted with draft for approval or otherwise.

27.6.17 18 Please put up typed fair draft. MK 29.6.

19 Typed draft submitted. 30/6/17

20 For perusal & approval or otherwise. MK 30/6

Secy

21 The Asstt Secy will kindly revise the draft carefully & resubmit. There are 3 mistakes in the first two paras of the preamble for instance.

Secy 8/7

22 Resubmitted after revision MK 7/7

Secy

23 The draft may be approved.

12/7 6-8-1917 Second Member Dewan

12/8 returning. Secy Returned 4/8 MK 7/8

742 7.8.17 Low draft

If the Second Member agrees to the alterations proposed by the Dewan in pencil, the draft will issue

227 8-8-17 Second Member)

Approved 4/8 MK

Issue 9/8

NOTE—Contn. sheet.

G. R. S. III-2$_{1}$.

General and Revenue Secretariat.

San File No. 94 of 1916-7

Serial No.	
	Do
6	The Secretary, Central Committee, M. D. Shimoga Dist The Secretary, M. D. Kadur & Hassan Districts " Deputy Commissioners & Chairmen, M. D. Committees " Sanitary Commissioner " Comptroller Order No. 990-6 Dy 14.8.17 Sanctions with certain observations the proposal of the Central Committee to take up the malarial Survey of Nagar Taluk

NOTE—Contn. sheet

Office of the Malnad Improvement Committee,
Shimoga District.
Dated Shimoga, February 1917.

From.

S.N. Appanna Iyengar, Esq., B.A., B.L.,
Secretary, Central Committee,
Malnad Improvements,
Shimoga.

To. Sau 94 . 1 c

D.N. Narasinga Rao, Esq., B.A., B.L.,
Secretary to the Government of Mysore,

Sir,

In continuation of my letter No. C. 494 dated 16th November 1916, I have the honor to submit herewith a copy of the statement received from the Special Sanitary Officer, Shimoga, with his No. C. 322 dated 23rd December 16 showing the result of the "Disease Survey" conducted by him in November 1916 in five villages in the Kumsi Sub Taluk and to state that the statement was placed before the Central Committee at its meeting held on the 27th January 1917.

2. The Central Committee was of opinion that the "Disease Survey" the results whereof have been supplied by the Special Sanitary Officer serves no useful purpose and that a scientific Malarial Survey is necessary. They have accordingly selected Nagar Taluk in the Shimoga District for the purpose. A copy of the resolution passed by the Committee is submitted herewith for perusal.

3. Under the circumstances I request that sanction of Government may be obtained to the proposal of the - -

Central

1916-17.

21 FEB 1917

From.

The Secretary, Central Committee,
Malnad Improvements,
Shimoga.

To.

The Secretary to the Government
of Mysore, General Department
Bangalore.

Dated 19/2/17

Despatched

Received

General No. C 1494 [illegible]

No.

Enclosure No. 2

Subject

Submits the proposal of the Central Committee for sanction in re: the conduct of scientific Malarial Survey of Nagar Taluk.

Central Committee to take up the scientific Malarial Survey of Nagar Taluk as early as possible.

I have the honor to be,

Sir,

Your most obedient servant,

M. Appanna Rao

Secretary, Central Committee

Malnad Improvements,

Shimoga District.

Proceedings of the second meeting of the Central Committee for the improvement of the malnad held at Tarikere on Saturday the 27th day of January 1917.

X. X X

X. Statement showing the particulars of the "Disease Survey conducted in the Kumsi Sub Taluk, Shimoga District by the Special Sanitary Officer, Malnad Improvement Committee, Shimoga District.

Recordedz

The Committee are of opinion that the "Disease Survey" the results whereof have been supllied by the Special Sanitary Officer of Shimoga, serves no useful purpose, that a scientific Malarial Survey is necessary, and that the Nagar taluk in the Shimoga District be taken up for this purpose as early as possible.

Sd/ S.N. Appanna Iyengar,
Secretary, Central Committee,
Malnad Improvements,
Shimoga.

Sd/ A. Subramanya Iyer,
Deputy Commissioner & Chairman,
Malnad Improvement Committee,
Shimoga District.

" E x t r a c t "

S. Appanna Iyengar
Secretary,
Central Committee,
Malnad Improvements
Shimoga.

Statement showing the particulars of the "Disease Survey" conducted ~~by~~ in the Kumsi Sub-Taluk, Shimoga District, during the month of November 1916.

	Hubbana-halli.	Kumsi-Hosur.	Guddeha-koppa.	Chik-marasa.	Doddadana-vandi.	Total
1. Total number of houses.	35	9	15	38	5	102
2. Males.	56	11	32	42	9	150
3. Females.	63	15	38	42	13	172
4. Boys.	25	8	19	21	4	77
5. Girls.	17	12	20	22	3	74
6. Infants under 1½ years.	13	1	4	3	-	21
7. Total population.	74	47	113	131	29	494
8. Scabies.	6	3	2	1	1	13
9. Malaria.	33	20	15	36	3	107
10. Gonorrhoea.	1					1
11. Syphilis.	2	2	1?	1		6
12. Diarrhoea.	1					1
13. Nephritis.	2					2
14. Bronchitis.	2	1				3
15. Caries tooth.	1		u	0		1
16. Paralysis.	1		1	1		3
17. Idiocy.				1		1
18. Cellulitis.	2					2
19. Colitis.	1					1
20. Ulcer.	1			1		2
21. Worms.	2	1	3			6
22. Tuberculous.			3			3
23. Tonsillitis.		1				1
24. V. D. H.	1			1		2
25. Rheumatism.			1			1
26. Convulsion.			1			1

Sd/ M.G. Srinivasa Peidpet,
Special Sanitary Officer.

"C o p y"

Secretary, Central Committee,
Malnad Improvements,
Shimoga.

G. R. S. 26]

GEN. & REV. SECRETARIAT
TYPING Sec.
6 MAR 1917

File No.

Serial No.

Diary No. of letter replied to 2587

No. 5879

Sam 94-16-2

Sanitary

940-3-17

General and Revenue Secretariat
(Sanitary)
the 191 .

To
The Sanitary Commr

Sir,

Date of issue 10.3.17.

Signed by M.B. Subbaraya

with reference to Govt. pro. No. 3354-8 dated 9th Nov 16 Sam/22-14-4 & complete
Sanitary discuss survey of th
Malnad, I am directed to
forward herewith for favour of your
a copy of letter No C.494 dated
the 19th February 17 (with enclosures) received
from the
Secretary, Central Committee, Mala
Improvement, suggesting ~~the~~ the
substitution of a Scientific Malaria
Survey of ~~begin July~~ and
selecting the nagar taluk for
the purpose to I have to
begin with

over.

Sanitary Commr
General

SUBJECT

D 29 21

No. G C. 406-2 Office of the Sanitary Commissioner
in Mysore,
Dated, Bangalore, 27th March 1917.

From

M. Srinivasa Rao, Esquire., M.A., M.D., D.P.H., &c.,
Sanitary Commissioner in Mysore, Bangalore.

To

D. M. Narasinga Rao, Esquire., B. A., B. L.,
Secretary to the Government of H. H. the
Maharaja of Mysore, General Department,
B A N G A L O R E.

Sir,

With reference to your letter No. 5879/ San. 94-16-2 dated the 10th instant forwarding for remarks a copy of letter from the Secretary, Central Committee, Malnad Improvement, proposing the substitution of a scientific malarial survey for the disease survey at present being done, I have the honor to state that in my letter No. 4896 dated the 18th April 1915, written in the capacity of Deputy Sanitary Commissioner, to the Sanitary Commissioner, I had recommended that prior to the spending of any money on anti-malarial measures a scientific survey be carried out in specially selected and favourable localities in the malnad. I was over- ruled and instead of a malarial survey, a disease survey has been in operation from the latter part of the year 1915.

2. It was expected that the disease survey would in time yield definite results upon which the malnad Improvement Committee might plan a course of action to combat malaria in their districts. It is seen however that the Central Committee is of opinion that the disease survey, the results whereof have been supplied by the Special Sanitary Officers, serves

From

The Sanitary Commissioner

in Mysore, Bangalore.

To

The Secretary to Government of
H.H. the Maharaja of Mysore,
General Department,
Bangalore.

Dated 27th/28th March 1917.

No. G.C 408. Enc.

Submitting recommendations for conducting a malarial survey in the Nagar Taluk in lieu of disease survey.

serves no useful purpose. At best, a disease survey can only supply us with statistics as to the number of persons in each village ill with particular kinds of disease. And the results whereof the statement for November 1916 examined by the Central Committee furnishes a type,- invariably indicate that is so far as the malnad is concerned malaria is the predominant disease. So that after ever so many years of the investi-gation of the kind now being carried out we should find ourselves moving in a circle, getting back after each fresh enquiry to the starting point, that malaria constitutes the root of all the evil in the malnad. To the practical sanitarian the value of such enquiry is exactly nil. We do not want to be perpetually confirming by statistics the fact of the existence of malaria in the malnad but we do want to get at a precise knowledge of the conditions that produce or promote malaria, of the conditions the removal whereof constitutes the eradication, or at least a lessened incidence, of the disease in the malnad districts. A scientific malarial survey would supply us with the means therefor and is a necessary prilimi-nary for the carrying out of anti-malarial operations. As the survey proceeds the data collected will enable us to apply suitable remedial measures.

While conducting this survey every existing defect in every village must be noted. Points for consideration are:-

(1) The general state of the houses or huts.
(2) The places where cattle are settled. Stalled.
(3) do manure is stored.
(4) The quality and quantity of food generally used by the people.
(5) The water supply; its quality and sufficiency.
(6) The nature of clothing used by the people.
(7) The general sanitation of the streets and lanes.
(8) Necessity for extension of the villages.
(9) do shifting the site of the village.
(10) Presence or absence of a school and its condition if one exists.
(11) Facilities for inter-village communications.
(12) Diseases prevalent at all seasons.
(13) Facilities for giving medical relief.
(14) General customs observed during child-birth.
(15) The state of vaccination.

(16) Any indebtedness of the people.
(17) Any facilities for social intercourse.
(18) Any factions in the village.

3. I therefore recommend that a malarial survey be instituted in the Nagar taluk - as proposed by the Central Malnad Improvement Committee, the District Sanitary Officer being placed in immediate charge of the work. He may be given a staff consisting of (i) 3 Sanitary Inspectors on Rs 40/- plus a special malnad allowance of Rs 15/- plus a conveyance allowance of Rs 10/- each per mensem, (ii) one draftsman on Rs 30/- plus a malnad allowance of Rs 10/-, (iii) one typist clerk on Rs 25/- plus malnad allowance of Rs 10/- and (iv) a gang of ten men ~~at Rs 10/-~~ at Rs 10/- each per mensem, three for duty under each of the Sanitary Inspectors and one under the District Sanitary Officer. The survey will last 8 months commencing from November next, so that the total cost on account of special staff is not likely to exceed 2960/- for the 8 months and inclusive of contingencies and cost of a typewritter, Rs 3600 The Sanitary Inspectors should be previously trained for the work and, for this purpose may be posted to form part of the malaria staff in the Bangalore City for a period of three - months, prior to their being sent to the Nagar taluk. The additional charge on this account will amount to Rs 450/-.

4. The District Sanitary Officer will need an outfit for a portable Laboratory. In view of the difficulties in procuring things on account of the war, I am prepared to spare whatever instruments, apparatus and chemicals are required, from the Public Health Institute.

5. I shall issue the necessary instructions relating to the procedure and methods of work and when once the survey is started, shall direct the operations personally at frequent intervals.

6. When the survey of the taluk is completed, 1 Sanitary

of 8 attendants can attend to the anti-malarial operations, under the direction of the District Sanitary Officer. The cost would be about ₹ 2400/- per annum.

7. I request the favour of the orders of Government being obtained and communicated to me in good time to appoint and train the Sanitary Inspectors in malaria work in the Bangalore City and to make all other necessary arrangements to start the malarial survey in the Nagar Taluk from the 1st November 1917.

I have the honor to be

S I R,

Your most obedient servant,

M Srinivasa Rau

Sanitary Commissioner.

G. R. S. 26

File No. 94-16

Serial No. 4

S 55-16

Diary No. of letter replied to 2921

Cur one

No. 6909

Can 94-16 Sl 4

General and Revenue Secretariat

(Sanitary)

, the 707

To

The Secretary, N. S. Committee,

Shimoga District.

Date of issue 30.6.17

Signed by ...

Sir,

With reference to your letter No. C 494 dated the 19th February 17 requesting sanction to the proposal of the Central Committee to take up the scientific Malarial Survey of Mayuram Taluk I am directed to forward herewith ~~a copy of the~~ ~~dated the 16th June 1915~~ an extract from the Sanitary Commissioner's letter No. G. C 408-2 dated the

over.

SUBJECT.

Relating to
Zeppelin

27th March 1917 ~~Relating to~~ the

Staff requirements and the cost of ~~the~~
the Map of
~~Survey of the Map Index~~ and
to request that the District Commissioners
may be asked to suggest ways and
means for meeting the cost

I have the
honour
to
forward to the
War General Department

List of enclosures

Copied by

Examined by

GPE—20,000—10-10-

D3675) 11 JUN 1917 Chg4 no 2

Sany 94-16-5

Office of the Malnad Improvement Committee
Shimoga District.
Dated Shimoga, 9th June 1917.

From.

S.N. Appanna Iyengar, Esq., B.A., B.L.,
Secretary, Malnad Improvement Committee
Shimoga District.

To.

D.M. Narasinga Rao, Esq., B.A., B.L.,
Secretary to the Government of Mysore,
General Department, Bangalore.

Sir,

Adverting to your letter No. 6909 Sany. 94-16 S.L.4 dated 30th April 1917 forwarding an extract from the Sanitary Commissioner's letter relating to the staff required andthe cost thereof in the matter of conducting scientific malarial survey of Nagar taluk and requesting the District Committee to suggest ways and means for meeting the cost, I have the honor to state that the subject was considered by the Malnad Improvement Committee of Shimoga at its meeting held on the 24th May 17 and the cost necessary for the survey work was resolved to be met from the sums of Rs 2,000/- each provided in the programme of the Committee for the ensuing year under the heads "Disease Survey or Malarial Survey and the District Laboratory". A copy of the resolution passed by the Committee is submitted herewith for favour of perusal. I request that sanction may be accorded for conducting the malarial survey of the Nagar taluk as proposed by the Central Committee.

I have the honor to be,
Sir.
Your most obedient servant,
M. Appanna Iyengar
Secretary, Malnad Improvement Committee
Shimoga District

W.D. 0244—GPB—6,00,000—19-5-16—S.

From
The Secretary, Malnad Improvement Committee, Shimoga District.

To
The Secretary to the Government of Mysore, General Department, Bangalore.

Dated

Despatched 9.6.17

Received

General No. Cl 9 & m 9
No.

Enclosure No.

Subject.

Submits for sanction a copy of the resolution of the sixth meeting of the Malnad Improvement Committee in re ~~the~~ conducting the Malarial Survey of the Nagar taluk.

Proceedings of the sixth meeting of the Malnad Improvement Committee of Shimoga held on the 24th day of May 1917.

X X X

IV Memo No. O.C. 408-3 dated 27th March 1917 from the Sanitary Commissioner in Mysore forwarding a copy of his letter to the Secretary to the Government in the matter of conducting Malarial Survey in the Nagar taluk from the 1st November 1917.

Also letter No. 6909 Sany. 94-16 S.L.4 dated 30th April 1917 from the Secretary to Government forwarding an extract from the Sanitary Commissioner's letter referred to above and requesting the District Committee to suggest ways and means for meeting the cost.

Resolved that the cost may be met from the sums of Rs 2,000/- each provided in the next year's Committee budget under Malarial or Disease Survey and District Laboratory.

Sd/ S.N. Appanna Ivengar,
Secretary, M.I.C. Shimoga

Sd/ A. Subramanya Iver.
Deputy Commissioner & Chairman
M.I.C., Shimoga.

"Extract"

Secretary,
Malnad Improvement Committee
Shimoga District.

Proceedings of the Government of

H.H. the Maharaja of Mysore.

R e a d:-

Government Proceedings No.3354-8/San. 122-14-4 dated the 9th November 1915, directing that disease survey of the malnad should be undertaken rather than a bare scientific malarial survey.

2. Letter No.C.494 dated the 19th February 1917, from the Secretary, Central Committee Malnad Improvement Scheme, Shimoga District, requesting sanction to the proposal of the Committee to take up the scientific malarial survey of Nagar Taluk, as in the opinion of the Committee the "Disease survey", the results whereof have been supplied by the special - Sanitary Officer, ~~served~~ serves no useful purpose.

3. Letter No.G.C.408-2 dated the 27th March 1917, from the Sanitary Commissioner stating that a scientific malarial survey is a necessary preliminary for the carrying out of anti malarial operations and recommending that as prposed by the Central Committee - ~~such a~~ malarial survey be instituted in the Nagar - Taluk for a period of 8 months from 1st November 1917, the District Sanitary Officer being placed in immediate charge of the work, with the marginally noted establishment.

x.

3. Sanitary Inspectors on Rs. 40/- plus a malnad allowance of Rs.15/- and a conveyance allowance of Rs.10/- each per mensem.
1. Draftsman on Rs.30/10.
1. Typist clerk on Rs.25/10.
A gang of 10 men at Rs.10/- each per mensem, 3 for duty under each of the Sanitary Inspectors and 1 under the District Sanitary Officer.

Order No. - - -

O r d e r--No. 990-6 Sam 94-16-6

Dated Bangalore, the 14.8. 1917.

The proposal of the Central Committee to take up the malarial survey of Nagar Taluk is sanctioned. The total cost of the survey work viz, Rs.3600/- including establishment charges, contingencies and the cost of a typewriter may be met out of the amount to be provided in the programme of work for the Shimoga District, during the year 1917-18.

2. The Sanitary Commissioner is requested to make necessary arrangements for training Sanitary Inspectors required for this work prior to their being posted to the Nagar Taluk the cost of their training viz, Rs.450/- also being met out of the Malnad Improvement grant, Arrangements should also be made for supplying the District Sanitary Officer in charge of the work with an outfit for a portable laboratory from the Public Health Institute.

3. The Sanitary Commissioner ~~will~~ requested to issue necessary instructions relating to the procedure and methods of work and direct the operations personally at frequent intervals. (and

Secretary to Government,
General Department.

To

The Secretary, Central Committee, M.I.
Shimoga District.
-do-Malnad Improvement Kadur & ~~Hassan~~ Dts.
The Deputy Commissioners & Chairmen,
Malnad Improvement Committee.
" Sanitary Commissioner in Mysore.
" Comptroller, Mysore Government.

12 copies

TMK.